

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-23-54
Relating to Certification of New Motor Vehicles

HONDA MOTOR CO., LTD.

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1988 model-year Honda Motor Co., Ltd. exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JHN2.0V5FSCX	2.0 (119)	Dual Oxygen Sensors Exhaust Gas Recirculation Three-Way Catalysts (Two) (Electronic Fuel Injection) (On-Board Diagnostic)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0.39	7.0	0.7

The following are the certification emission values for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.23	2.6	0.4

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ..." (Title 13, California Administrative Code, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.) and with Health and Safety Code Section 43204.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 17th day of June, 1987.



K. D. Drachand, Chief
Mobile Source Division

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-23-54Page 1

Manufacturer HONDA Engine Family JHN2.0V5FSCX
Evaporative Family 88FG Engine Type I - 4
Liters (CID) 2.0 (119)

ABBREVIATIONSIgnition System

CA-Centrifugal Advance
EEC-Electronic Engine Control
EI-Electronic Ignition
ESAC-Electronic Spark Advance
Control
VA-Vacuum Advance
VR-Vacuum Retard

Exhaust Emissions Control System

AIP-Air Injection-Pump
AIV-Air Injection-Valve
DBC-Dual Bed Catalyst
EGR-Exhaust Gas Recirculation
EIC-Electronic Injection Control
EM-Engine Modification
OC-Oxidation Catalyst
OS-Oxygen Sensor
HOS-Heated Oxygen Sensor
SPL-Smoke Puff Limiter or
Throttle Delay
TOC-Trap Oxidizer, Continual
TOP-Trap Oxidizer, Periodical
TWC-Three-way Catalyst
WUOC-Warm-Up Oxidation Catalyst
WUTWC-Warm-Up Three-Way Catalyst

Special Features

CCV-Combustion
Chamber Valve
CFI-Central Fuel
Injection
DID-Diesel
Injection-
Direct
DIP-Diesel
Injection-
Prechamber
EFI-Electronic
Fuel Injection
IC-Intercooler or
Aftercooler
MFI-Mechanical Fuel
Injection
OBD-On-Board
Diagnostics
TC-Turbocharger

Fuel System

CFI, CL, DID, DIP, EFI, MFI
nV-nVenturi Carburetor

VEHICLE MODELS:

Prelude Si

Engine : Front X Mid. Rear
Drive : FWD X RWD 4WD Full Time 4WD Part Time

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-23-54Page 2

Passenger Cars X Light-Duty Trucks Medium-Duty Vehicles Gas X Diesel
 Manufacturer HONDA Engine Family JHN2.0V5FSCX
 Liter (CID) 2.0 (119) Engine Type I - 4
 Emission Control Sys. (Special Features) OS, EIC, EGR, TWC (EFI, OBD)

Engine Code	Vehicle Models (If Coded see attachment) *(Dyno HP)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Part No.	EGR Valve Part No.	Catalyst Part No.
JS1/1'	Prelude Si	M5	3000	EI Igniter Unit 30550-PH3 -0040 ESAC ECU 37820-PK2 -6830	CL & EFI ECU 37820-PK2 -6830	18710-PK2 -6610	18150-PK2 -6610
JS3/1		A4		EI Igniter Unit 30550-PH3 -0040 ESAC ECU 37820-PK2 -6930	CL & EFI ECU 37820-PK2 -6930		18150-PK2 -6620

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing. Add 10% to dyno test HP for air conditioning usage.

*: Please refer to page 08-1 in 1988 Application.

ate of Issued 04/10/87 Revisions: 05/21/87 08/06/87 10/30/87 (RC #40)

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-23-54Page 2.1

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*: Please refer to page 08-1 in 1988 Application.

Date of Issued 11/11/87 (RC #42) Revisions: